

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	154518	"417"/	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/03 16:02
L2	524	stagger with angle	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/03 16:02
L3	21	L1 L2	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/03 16:02
S1	573	(417/222.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/07 19:29
S2	15	("3586949" "0030761" "4107587" "4403177" "4882511" "5164622" "5270622" "5418416" "5493189" "5834873" "5909072").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/03 16:02
S3	0	S2 fan	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/07 19:31
S4	819	(417/313).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/07 19:43
S5	819	(417/313).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/07 19:43
S6	0	S5 fan motor impeller hub blades	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/07 20:02
S7	6	S5 fan motor hub blades	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/07 19:44
S8	27	S5 fan motor blades	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/07 19:44
S9	12	("4929161"   "4968231"   "5087178"   "5226285"   "5259206"   "5375649"   "5378119"   "5447422").PN. OR ("5720599").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/07 19:48
S10	0	"cooling fan for electronic device"	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/07 19:48

## EAST Search History

S11	1436	"cooling fan" "electronic device"	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/07 19:48
S12	45	"cooling fan" near "electronic device"	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/07 19:52
S13	635	(417/423.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/07 19:52
S14	1766	fan motor impeller hub blades	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/07 20:03
S15	66	fan (DC adj motor) impeller hub blades	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/07 20:03
S16	35	("3700358"   "4465948"   "4698542"   "5002123"   "5019880"   "5021696"   "5288203"   "5309983").PN. OR ("5629834").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/07 20:04
S17	1	("5910694").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/07 20:36
S18	37	("4164690"   "4513812"   "4904891"   "4959571"   "5288203"   "5296796"   "5309983"   "5379999"   "5445215"   "5452181"   "5484013"   "5502619"   "5504650"   "5526875"   "5566749"   "5615084"   "5629834").PN. OR ("5910694").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/07 20:36
S19	45	Wade vinson .in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/08 09:11
S20	62570	vinson franz jarrah .in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/08 09:12
S21	3560	(wade vinson) or (john franz) or (Yousef jarrah) .in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/08 09:13
S22	2	(wade vinson) (john franz) (Yousef jarrah) .in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/08 09:13

## EAST Search History

S23	1550	john franz .in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/08 09:14
S24	7	Yousef jarrah .in.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/08 09:14
S25	1	("5652470").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/18 13:16
S26	833	(417/313).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/18 13:23
S27	17	("3586949" "0030761" "4107587" "4403177" "4882511" "5164622" "5270622" "5418416" "5493189" "5652470" "5834873" "5909072" "5910694").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 13:31
S28	1	S27 impeller	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 13:58
S29	270	(three-phase or (three adj phase) or (3-phase) or (S27 adj phase)) adj (DC adj motor)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 13:59
S30	88765	impeller	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 13:59
S31	371675	hub	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 13:59
S32	667284	blades	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 14:00
S33	667284	blade	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 14:00
S34	1	S29 (S30 near S31 same S32)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 14:01
S35	1294	(S30 near S31 same S32)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 14:01

## EAST Search History

S36	22	(S30 near S31 same S32) (DC adj motor)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/18 14:31
S37	1	("5652470").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/18 14:31
S38	13	("3634873"   "3840761"   "3860843"   "3873897"   "4092572"   "4099104"   "4167692"   "4417167"   "5382853").PN. OR ("5652470").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/07/18 14:44
S39	175	(417/354).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/19 14:53
S40	868	(416/223R).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/19 16:01
S41	406	(416/243).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/19 16:01
S42	25	("1019437"   "1455591"   "1639785"   "2047847"   "2090888"   "2524870"   "3312286"   "3640642"   "3697193"   "4073601"   "4080099"   "4331429"   "4632636"   "4775297"   "4802822"   "4802872").PN. OR ("5104292").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/07/19 16:09
S43	1	("5652470").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/21 15:25
S44	14	(US-5650678-\$ or US-2974728-\$ or US-5720599-\$ or US-5104292-\$ or US-1755633-\$ or US-5910694-\$ or US-4331429-\$ or US-D398978-\$ or US-5909072-\$ or US-0384498-\$ or US-2703625-\$ or US-6699016-\$ or US-5629834-\$ or US-1491729-\$). did.	USPAT	AND	ON	2007/07/23 14:48
S46	868	(416/223R).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/23 15:30
S47	21	S46 stagger	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 14:53
S48	14	S46 stagger increases	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 15:10
S49	112	S46 camber increases	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 15:11

## EAST Search History

S50	2	S46 camber with angle near increases	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 15:11
S51	3	S46 camber with angle near decreases	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 15:13
S52	28	camber with angle near decreases	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 15:13
S53	9	S46 seven near blades	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 15:56
S54	1	S46 finger near guard	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 16:11
S55	34	S46 solidity (one or "1")	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 16:11
S56	4	S46 solidity near (one or "1")	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 16:21
S57	14	S46 second cooling fan series	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 16:22
S58	0	S46 second near cooling near fan near series	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 16:23
S59	0	S46 cooling near fan near series	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 16:23
S60	7	S46 fan near series	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/07/23 16:29
S61	1	("5652470").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/23 16:29
S62	0	(2005/0106027).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/01/02 13:17

## EAST Search History

S63	0	2005/0106027	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/02 13:17
S64	0	"GB0324203.9"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/02 13:19
S65	0	"GB03242039"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/02 13:19
S66	0	"GB0324203"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/02 13:19
S67	0	GB0324203	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2008/01/02 13:19
S68	0	("GB3242039").PN.	US-PGPUB; USPAT	OR	OFF	2008/01/02 13:19